sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Cement

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	Cement (Birla Super 53 grade OPC)
Test Method	IS: 269:2015
Sampel Supplied By	PMC Agency
Date of Manufacture	29.05.2022
Date of Testing	01.06.2022 to 03.06.2022

Sl. No.	Description	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part -5)	137 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5):1988(RA 2014)	326 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29 %	-

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS ★ Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Fine Aggregates (Sand)

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	Sand
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	03.06.2022

Total weight of Aggregates in gms: 1000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits For Zone-II
10.00	0	0	0	100	100.00
4.75	88	8.8	8.8	91.20	90-100
2.36	61.2	6.12	14.92	85.08	75-100
1.18	84.6	8.46	23.38	76.62	55-90
600 Micron	322	32.2	55.58	44.42	35-59
300 Micron	272.2	27.22	82.8	17.20	8-30
150 Micron	128.1	12.81	95.61	4.39	0-10

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-56

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Aggregates

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	20mm Aggregates
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	03.06.2022

Total weight of Aggregates in gms: 5000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits
40	0	0	0	100	100
20	182.3	3.646	3.646	96.35	95-100
10	2843.9	56.878	60.524	39.48	25-55
4.75	1694.7	33.894	94.418	5.58	0-10

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-56

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Aggregates

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor,Mysore
Material	40mm Aggregates
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	03.06.2022

Total weight of Aggregates in gms: 5000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits
80.00	0	0	0	100	100.00
40.00	208.2	4.16	4.16	95.84	95-100
20.00	2163.7	43.27	47.44	52.56	30-70
10.00	1583.8	31.68	79.11	20.89	10-35
4.75	951.3	19.03	98.14	1.86	0-5

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS * Bangalore

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಲೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು.

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Physical and Machanical Properties of TMT Bars

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor,Mysore
Material	8mm, 10mm, 12mm, 16mm Fe 500 TMT Bars
Test Method	IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature
Sampel Supplied By	PMC Agency
Date of Testing	07.06.2022

Sl. No.	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH			
				Yield Stress(N/mm2)	Ultimate Tensile strength (N/mm2)	UTS / YS Ratio	Elongation, percent on gauge length
1	Fe 500	8	0.395	542	649	1.2	11
2	Fe 500	10	0.616	539	638	1.18	11
3	Fe 500	12	0.886	544	647	1.19	13
4	Fe 500	16	1.581	545	646	1.19	14

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS ★ Bangalore

Authorized Signatory

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಲೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	7^{th} Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	10-Jun-22	17-Jun-22	8.166	342.23	15.21
2	10-Jun-22	17-Jun-22	8.160	342.90	15.24
3	10-Jun-22	17-Jun-22	8.152	341.78	15.19

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**28th** Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	10-Jun-22	8-Jul-22	8.147	519.75	23.10
2	10-Jun-22	8-Jul-22	8.172	515.25	22.90
3	10-Jun-22	8-Jul-22	8.175	513.23	22.81

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS ★ Bangalore

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಲೆಬ್ಬಹಕ್ಕೆ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	7^{th} Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	10-Jun-22	17-Jun-22	8.127	333.68	14.83
2	10-Jun-22	17-Jun-22	8.165	338.18	15.03
3	10-Jun-22	17-Jun-22	8.146	346.50	15.40

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಲೆಫ್ಟಿನೆಂಟ್ ಉಮಾಪತಿಭಾಗ
ಜಾಲಹಳ್ಳಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**28th Day**

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	10-Jun-22	8-Jul-22	8.146	514.80	22.88
2	10-Jun-22	8-Jul-22	8.173	514.35	22.86
3	10-Jun-22	8-Jul-22	8.138	514.35	22.86

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-2/BBMP/DH/2022-23/57 Dt. 27/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**7th Day**

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	13-Jun-22	20-Jun-22	8.144	334.58	14.87
2	13-Jun-22	20-Jun-22	8.131	340.43	15.13
3	13-Jun-22	20-Jun-22	8.128	342.23	15.21

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯ... ಅಭಿಯಂತರರು
ಲೆಬ್ಬವಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು